

CTR Employer Survey Report

Thank you for completing your Commute Trip Reduction survey. This report contains the survey results.

Employer Id : E81142

Participation : CTR

Employer : Astronics Advanced Electronic Systems

Status : Affected

Worksite :

Survey Type : Online

Street : 12950 Willows Road Ne

Response Rate : 71%

Jurisdiction : City of Kirkland

Survey Date : 5/6/2019

Non-Drive Alone & One-Way VMT Rates at this Worksite

Non-Drive Alone Rate : 19.3%

Drive Alone Rate : 80.7%

One-Way VMT per employee : 15.1

Average One-Way distance home to work : 17.5

Employees and Survey Response Information

Reported Total Employees at Worksite: 565

Surveys Distributed : 565

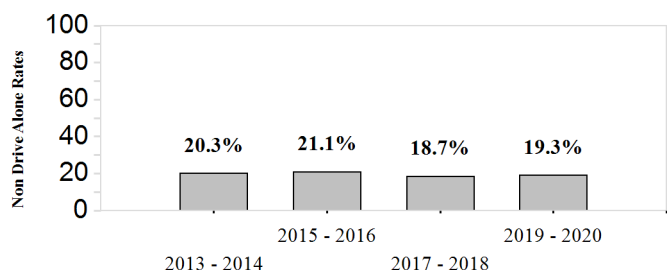
Surveys Returned : 402

Surveys Returned by CTR Affected* Employees : 356

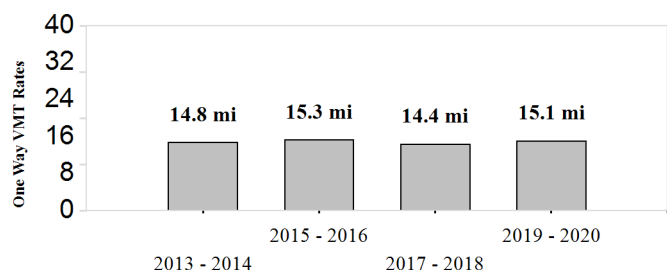
Total Estimated CTR Affected Employees at Worksite : 500

*CTR Affected employees filled out the survey as being full-time and commuting (typically) to work at least twice between 6a and 9a, Monday through Friday.

Non Drive Alone Rates - ALL Employees



One Way VMT per Employee - ALL Employees



Site History and Targets

Annual Metric Tons CO2e Pounds CO2e

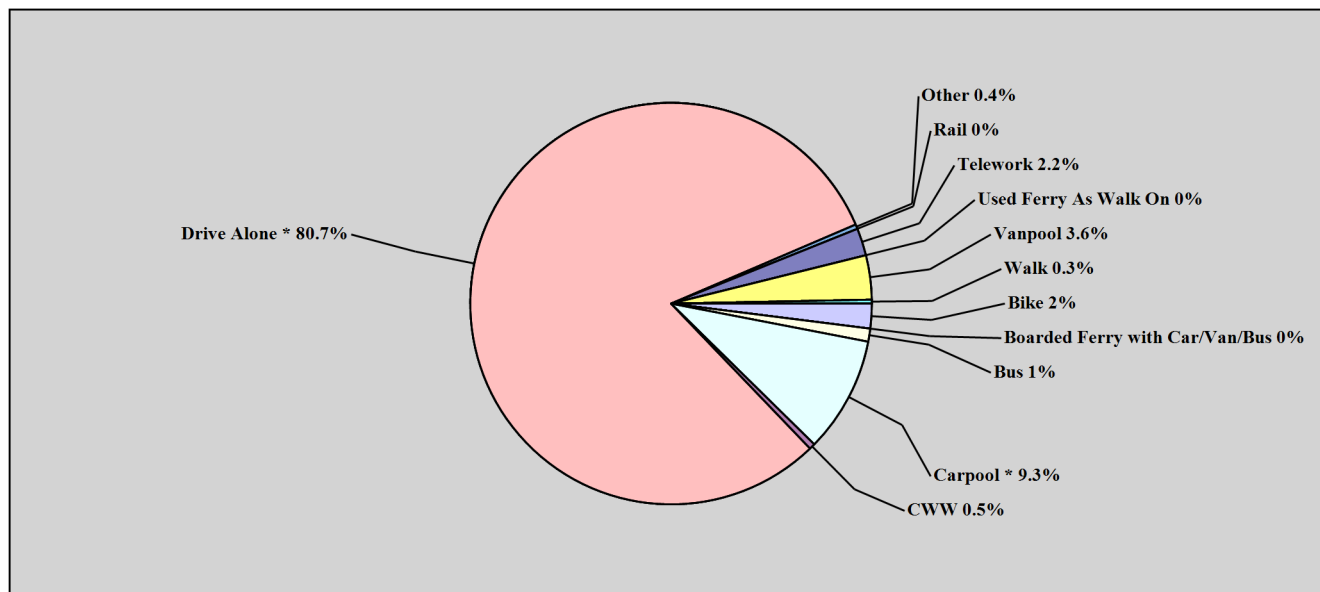
Cycle	Non Drive Alone Rate - All	Non Drive Alone Rate - CTR Affected	Emissions for Surveyed Employees	Estimated Emissions for Total Employment	GHG per Employee's Roundtrip	VMT per Employee - All	VMT per Employee - CTR Affected
2007 - 2008	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2009 - 2010	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2011 - 2012	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2013 - 2014	20.3%	21.0%	834	1133	17.7	14.8	14.3
2015 - 2016	21.1%	21.9%	962	1143	17.8	15.3	14.5
2017 - 2018	18.7%	18.5%	1199	1617	25.2	14.4	14.3
2019 - 2020	19.3%	19.5%	1281	1800	28.1	15.1	14.4
Target	26.3%				Target:	12.1	
% Point Change Target:	6.0				% Change Target:	-18.0%	
% Point Change from Baseline:	-1.0				% Change from Baseline:	2.0%	

GHG calculations are based on VMT and estimated total round-trip commutes for all employees. Modes that contribute to GHG include driving alone, carpooling, vanpooling, and riding a motorcycle. The use of other modes (e.g., transit, rail, walking, ferry) do not increase a worksite's GHG calculation. For more information about how GHG is calculated, please contact your jurisdiction's representative.

Commute Trips By Mode - All Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - All Employees



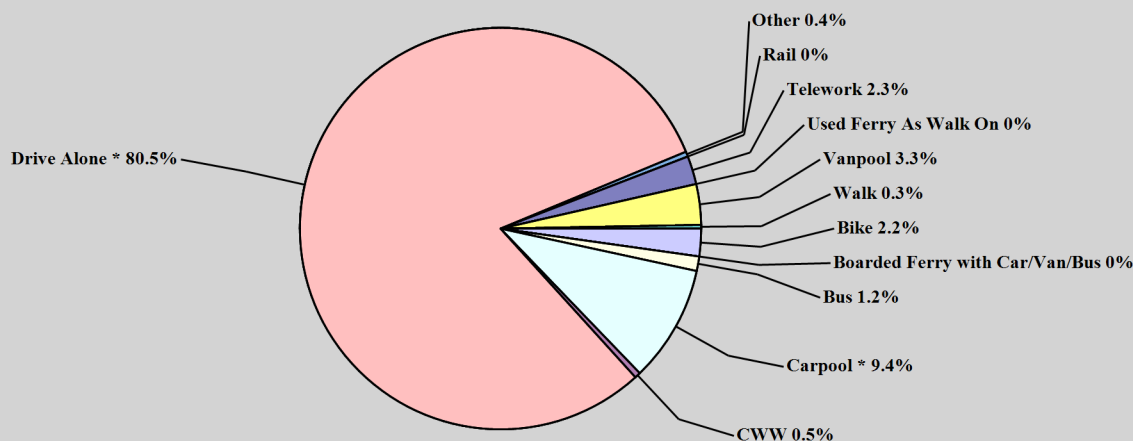
Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	1,541	80.7%	81.3%	352	87.6%	84.7%
Carpool *	178	9.3%	9.8%	47	11.7%	12.9%
Vanpool	68	3.6%	4.5%	17	4.2%	5.2%
Bus	20	1.0%	0.6%	4	1.0%	0.7%
Rail	0	0.0%	0.0%	0	0.0%	0.0%
Bike	38	2.0%	1.3%	15	3.7%	3.5%
Walk	6	0.3%	0.0%	2	0.5%	0.0%
Telework	42	2.2%	0.7%	31	7.7%	2.5%
CWW	9	0.5%	0.6%	6	1.5%	2.2%
Boarded Ferry with Car/Van/Bus	0	0.0%	0.3%	0	0.0%	0.5%
Used Ferry As Walk On	0	0.0%	0.1%	0	0.0%	0.2%
Other	7	0.4%	0.8%	3	0.7%	1.2%

* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

Commute Trips By Mode - Affected Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - CTR Affected Employees



Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	1,377	80.5%	81.5%	308	86.5%	85.0%
Carpool *	161	9.4%	10.6%	42	11.8%	14.4%
Vanpool	56	3.3%	4.6%	14	3.9%	5.3%
Bus	20	1.2%	0.7%	4	1.1%	0.9%
Rail	0	0.0%	0.0%	0	0.0%	0.0%
Bike	38	2.2%	1.2%	15	4.2%	3.5%
Walk	5	0.3%	0.0%	1	0.3%	0.0%
Telework	39	2.3%	0.6%	28	7.9%	2.3%
CWW	8	0.5%	0.6%	5	1.4%	2.3%
Boarded Ferry with Car/Van/Bus	0	0.0%	0.0%	0	0.0%	0.0%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	7	0.4%	0.2%	3	0.8%	0.6%

* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

Alternative Modes - Number of Employees Who Used a Non-Drive Alone Mode:

Non-Drive Alone Number Of Days	Exactly this # of Employees	Exactly this % of Employees	At least # of Employees	At least % of employees
0 Day	293	73%	402	100%
1 Days	22	5%	109	27%
2 Days	14	3%	87	22%
3 Days	13	3%	73	18%
4 Days	26	6%	60	15%
5 Days	30	7%	34	8%
6 or More Days	4	1%	4	1%

Count by Occupancy of Carpools and Vanpools

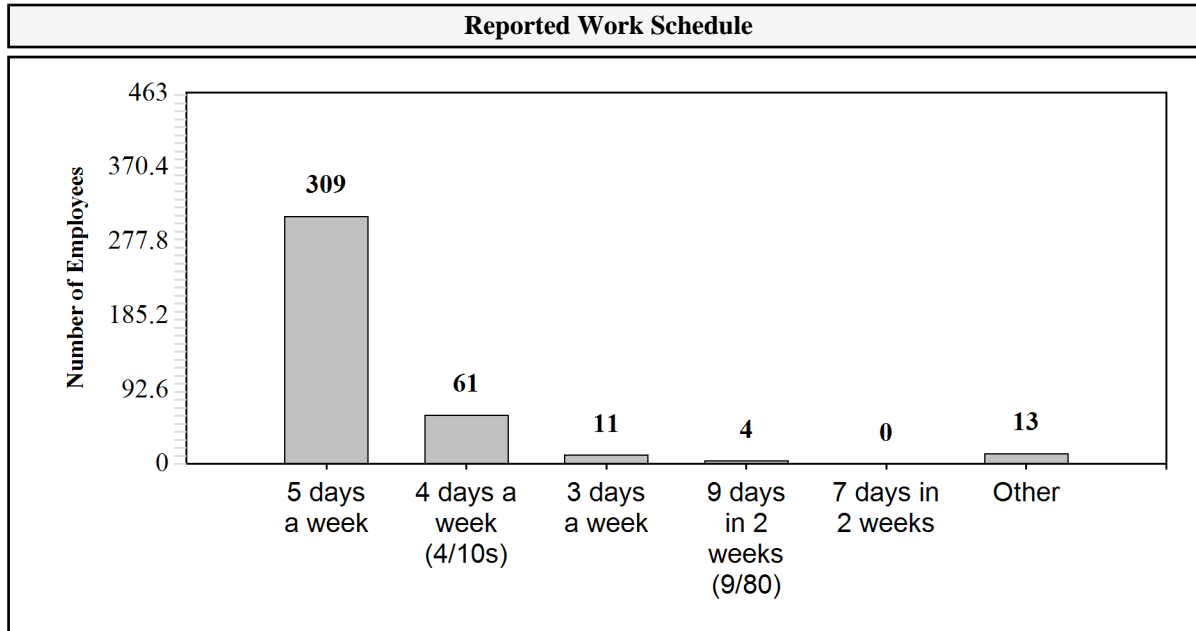
Q.5 If you used a carpool or vanpool as part of your commute, how many people (age 16 or older) are usually in the vehicle?

Ridesharing Occupancy	Mode	Response Count
2*	Carpool	135
3	Carpool	27
4	Carpool	14
5	Carpool	0
>5	Carpool	2
<5	Vanpool	1
5	Vanpool	4
6	Vanpool	4
7	Vanpool	0
8	Vanpool	4
9	Vanpool	4
10	Vanpool	16
11	Vanpool	8
12	Vanpool	8
13	Vanpool	0
14	Vanpool	19
>14	Vanpool	0

* Motorcycle-2 counted with Carpool-2 for this table.

Reported Work Schedule - All Employees

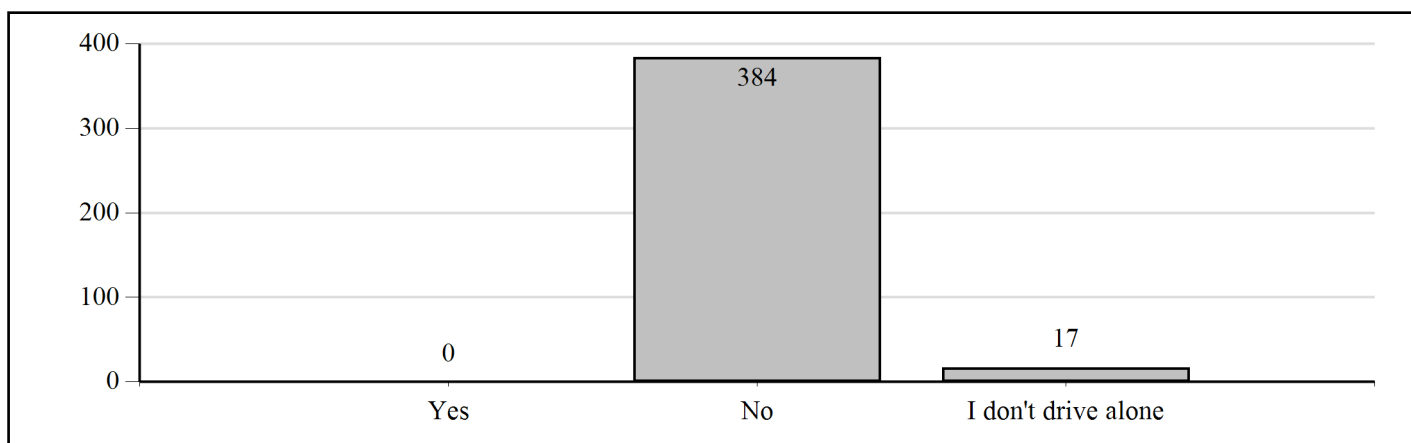
Q.8 Which of the following best describes your work schedule?



Reported Work Schedule	# Of Responses	% Of Employees
5 days a week	309	77.6%
4 days a week (4/10s)	61	15.3%
3 days a week	11	2.8%
9 days in 2 weeks (9/80)	4	1%
7 days in 2 weeks	0	0%
Other	13	3.3%

Parking and Telework

Q.9: On the most recent day that you drove alone to work, did you pay to park? (Mark "yes" if you paid that day, if you prepaid, if you are billed later, or if the cost of parking is deducted from your paycheck.)



Q.10: How many days do you typically telework?

Telework Frequency	# of Responses	% of Responses
No Answer/Blank	1	0.2%
I don't telework	227	56.5%
Occasionally, on an as-needed basis	122	30.3%
1-2 days/month	25	6.2%
1 day/week	20	5.0%
2 days/week	3	0.7%
3 days/week	4	1.0%

Reasons for driving alone to work/not driving alone to work

Q11. When you do not drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
Financial incentives for carpooling, bicycling or walking.	115	14.5%
To save money	113	14.2%
Personal health or well-being	112	14.1%
I have the option of teleworking	93	11.7%
Environmental and community benefits	91	11.5%
To save time using the HOV lane	90	11.3%
Other	62	7.8%
Driving myself is not an option	36	4.5%
Free or subsidized bus, train, vanpool pass or fare benefit	28	3.5%
Emergency ride home is provided	19	2.4%
Cost of parking or lack of parking	14	1.8%
I receive a financial incentive for giving up my parking space	11	1.4%
Preferred/reserved carpool/vanpool parking is provided	10	1.3%

Q12. When you drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
Riding the bus or train is inconvenient or takes too long	273	27.1%
I like the convenience of having my car	271	26.9%
Family care or similar obligations	140	13.9%
Other	92	9.1%
Bicycling or walking isn't safe	78	7.7%
My commute distance is too short	76	7.5%
My job requires me to use my car for work	50	5.0%
I need more information on alternative modes	27	2.7%
There isn't any secure or covered bicycle parking	0	0.0%

Commute Mode By ZipCode for All Employees

Q6. What is your home zip code?

Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98012	28	6.97%	104	16	0	0	5	0	6	0	0	0	0	0	0
98034	25	6.22%	90	14	0	0	5	0	4	1	0	1	0	0	5
98052	20	4.98%	81	0	0	5	0	0	12	0	0	0	0	0	0
98272	13	3.23%	43	22	0	0	0	0	0	0	0	0	0	0	0
98155	11	2.74%	51	0	0	0	0	0	0	0	2	0	0	0	0
98011	10	2.49%	44	5	0	0	0	0	0	0	0	0	0	0	0
98028	10	2.49%	47	0	0	0	0	0	2	0	0	0	0	0	0
98033	10	2.49%	39	10	0	0	0	0	1	0	0	0	0	0	0
98036	10	2.49%	37	7	0	0	0	0	1	0	1	0	0	0	0
98087	10	2.49%	35	10	0	0	0	0	0	0	0	1	0	0	0
98258	10	2.49%	40	4	4	0	0	0	0	0	0	0	0	0	0
98056	9	2.24%	29	5	11	0	0	0	0	0	0	0	0	0	0
98058	9	2.24%	19	11	8	0	0	0	0	0	2	0	0	0	0
98072	9	2.24%	40	0	0	0	0	0	1	0	1	0	0	0	0
98208	9	2.24%	40	0	4	0	0	0	0	0	0	0	0	0	0
98007	7	1.74%	33	0	0	0	0	0	0	0	0	0	0	0	0
98021	7	1.74%	30	1	0	1	0	0	0	0	1	0	0	0	0
98053	7	1.74%	32	0	0	0	0	0	0	0	3	0	0	0	0
98115	7	1.74%	24	2	0	0	0	0	0	0	2	0	0	0	0
98006	6	1.49%	16	6	4	0	0	0	4	0	0	0	0	0	0
98103	6	1.49%	23	0	0	0	0	0	0	0	1	4	0	0	0
98125	6	1.49%	25	0	0	0	5	0	0	0	0	0	0	0	0
98201	6	1.49%	24	3	1	0	0	0	0	0	1	0	0	0	0
98204	6	1.49%	22	0	4	0	0	0	0	0	2	0	0	0	0
98031	5	1.24%	18	3	0	0	0	0	0	0	2	0	0	0	0
98037	5	1.24%	23	0	0	0	0	0	0	0	0	0	0	0	0



Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98059	5	1.24%	18	1	4	0	0	0	0	0	2	0	0	0	0
98203	5	1.24%	15	0	8	0	0	0	0	0	0	0	0	0	0
98223	5	1.24%	16	0	4	0	0	0	0	0	1	1	0	0	0
98296	5	1.24%	20	0	0	3	0	0	0	0	0	0	0	0	0
98014	4	1.00%	19	0	0	0	0	0	0	0	0	1	0	0	0
98019	4	1.00%	18	0	0	0	0	0	0	0	1	0	0	0	0
98075	4	1.00%	20	0	0	0	0	0	0	0	0	0	0	0	0
98077	4	1.00%	20	0	0	0	0	0	0	0	0	0	0	0	0
98270	4	1.00%	19	0	0	0	0	0	0	0	0	0	0	0	0
98290	4	1.00%	18	0	0	0	0	0	0	0	0	0	0	0	0
98008	3	0.75%	17	0	0	0	0	0	0	0	0	0	0	0	0
98020	3	0.75%	12	0	0	0	0	0	2	0	1	0	0	0	0
98042	3	0.75%	7	6	0	0	0	0	0	0	1	0	0	0	0
98043	3	0.75%	15	0	0	0	0	0	0	0	0	0	0	0	0
98045	3	0.75%	9	5	0	0	0	0	0	0	1	0	0	0	0
98065	3	0.75%	14	0	0	0	0	0	0	0	0	0	0	0	0
98118	3	0.75%	12	0	0	0	0	0	0	0	0	0	0	0	0
98122	3	0.75%	10	0	0	0	5	0	0	0	0	0	0	0	0
98133	3	0.75%	13	0	0	0	0	0	0	0	0	0	0	0	0
98144	3	0.75%	15	0	0	0	0	0	0	0	0	0	0	0	0
98282	3	0.75%	11	0	0	0	0	0	0	0	1	0	0	0	0
98004	2	0.50%	9	0	0	0	0	0	0	0	0	0	0	0	0
98025	2	0.50%	5	0	0	0	0	0	0	0	0	0	0	0	0
98057	2	0.50%	9	0	0	0	0	0	0	0	1	0	0	0	0
98251	2	0.50%	9	0	0	0	0	0	0	0	0	0	0	0	0
98252	2	0.50%	10	0	0	0	0	0	0	0	0	0	0	0	0
98271	2	0.50%	6	0	4	0	0	0	0	0	0	0	0	0	0
98292	2	0.50%	4	0	4	0	0	0	0	0	0	0	0	0	0
98294	2	0.50%	10	0	0	0	0	0	0	0	0	0	0	0	0



Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98374	2	0.50%	3	5	0	0	0	0	0	0	2	0	0	0	1
98513	2	0.50%	5	5	0	0	0	0	0	0	0	0	0	0	0
	1	0.25%	4	0	0	0	0	0	0	0	0	0	0	0	0
18970	1	0.25%	0	0	0	0	0	0	0	5	0	0	0	0	0
97759	1	0.25%	0	0	0	0	0	0	0	0	5	0	0	0	0
98005	1	0.25%	0	5	0	0	0	0	0	0	0	0	0	0	0
98010	1	0.25%	4	0	0	0	0	0	0	0	0	0	0	0	0
98023	1	0.25%	5	0	0	0	0	0	0	0	0	0	0	0	0
98024	1	0.25%	2	1	0	0	0	0	0	0	0	0	0	0	0
98026	1	0.25%	4	0	0	0	0	0	0	0	0	0	0	0	0
98027	1	0.25%	4	0	0	0	0	0	0	0	0	0	0	0	0
98029	1	0.25%	5	0	0	0	0	0	0	0	0	0	0	0	0
98030	1	0.25%	1	0	4	0	0	0	0	0	0	0	0	0	0
98032	1	0.25%	3	0	0	0	0	0	0	0	0	0	0	0	0
98050	1	0.25%	0	5	0	0	0	0	0	0	0	0	0	0	0
98055	1	0.25%	5	0	0	0	0	0	0	0	0	0	0	0	0
98064	1	0.25%	0	5	0	0	0	0	0	0	0	0	0	0	0
98074	1	0.25%	4	0	0	0	0	0	0	0	1	0	0	0	1
98102	1	0.25%	5	0	0	0	0	0	0	0	0	0	0	0	0
98104	1	0.25%	4	0	0	0	0	0	0	0	0	0	0	0	0
98105	1	0.25%	5	0	0	0	0	0	0	0	0	0	0	0	0
98106	1	0.25%	5	0	0	0	0	0	0	0	0	0	0	0	0
98107	1	0.25%	2	0	0	0	0	0	0	0	0	0	0	0	0
98108	1	0.25%	0	5	0	0	0	0	0	0	0	0	0	0	0
98112	1	0.25%	1	0	0	0	0	0	4	0	0	0	0	0	0
98117	1	0.25%	3	0	0	0	0	0	1	0	1	0	0	0	0
98119	1	0.25%	5	0	0	0	0	0	0	0	0	0	0	0	0
98136	1	0.25%	5	0	0	0	0	0	0	0	2	0	0	0	0
98168	1	0.25%	5	0	0	0	0	0	0	0	0	0	0	0	0



			Weekly Count of Trips By Mode												
Home Zip code	Total Employees	Employee Percentage	Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98177	1	0.25%	5	0	0	0	0	0	0	0	0	0	0	0	0
98199	1	0.25%	4	0	0	0	0	0	0	0	0	0	0	0	0
98233	1	0.25%	5	0	0	0	0	0	0	0	0	0	0	0	0
98249	1	0.25%	3	0	0	0	0	0	0	0	1	1	0	0	0
98275	1	0.25%	5	0	0	0	0	0	0	0	0	0	0	0	0
98312	1	0.25%	4	0	0	1	0	0	0	0	0	0	0	0	0
98335	1	0.25%	4	0	0	0	0	0	0	0	0	0	0	0	0
98370	1	0.25%	4	0	0	0	0	0	0	0	1	0	0	0	0
98387	1	0.25%	3	0	0	0	0	0	0	0	0	0	0	0	0
98390	1	0.25%	4	0	0	0	0	0	0	0	0	0	0	0	0
98404	1	0.25%	0	4	0	0	0	0	0	0	0	0	0	0	0
98405	1	0.25%	0	5	0	0	0	0	0	0	0	0	0	0	0
98422	1	0.25%	4	0	0	0	0	0	0	0	1	0	0	0	0
98498	1	0.25%	4	0	0	0	0	0	0	0	1	0	0	0	0
98499	1	0.25%	0	5	0	0	0	0	0	0	0	0	0	0	0
98528	1	0.25%	0	1	4	0	0	0	0	0	0	0	0	0	0
98604	1	0.25%	5	0	0	0	0	0	0	0	0	0	0	0	0